

Fig. 1

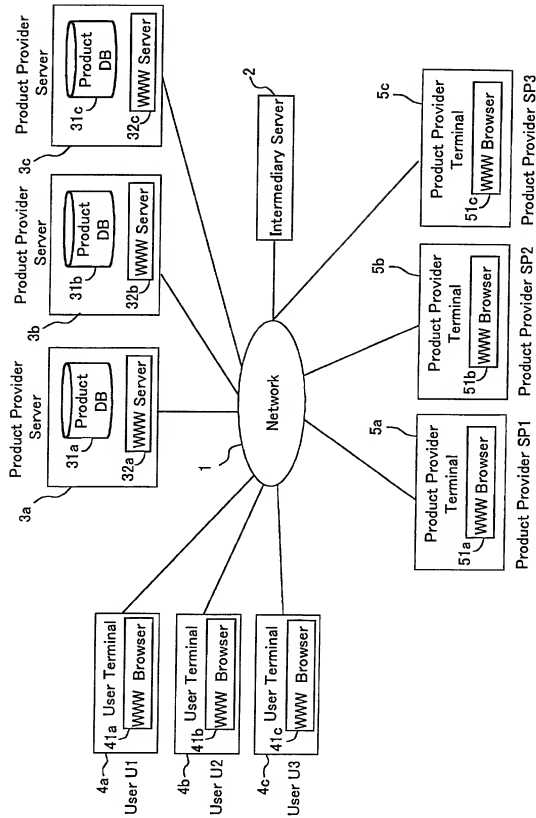


Fig. 2

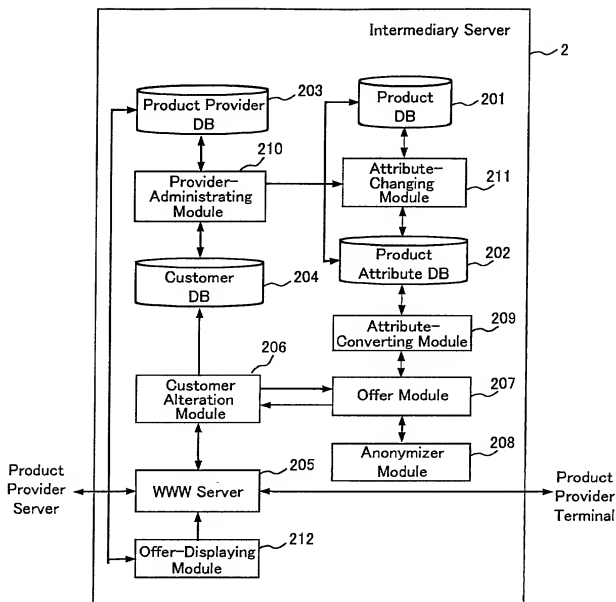


Fig. 3

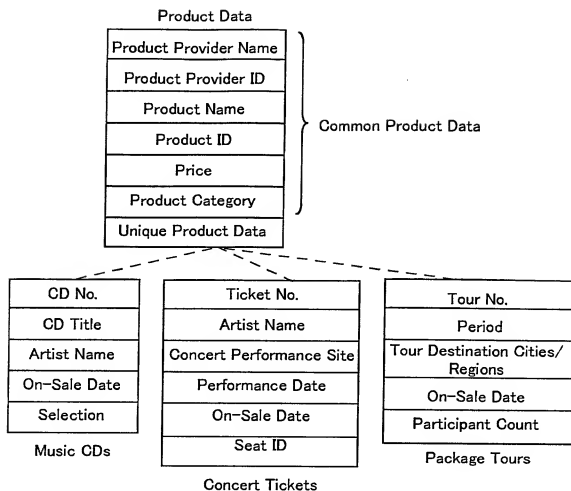


Fig. 4A

Product Provider Name	Shop1	Shop2	Shop3
Product Provider ID	SP1	SP2	SP3
Product Name	Art 1 CD	art1Concert Ticket	Tokyo Tour
Product ID	CD-1	Ticket-1	Tour-1
Price	¥2000	¥6000	¥3000
Product Category	CD	Concert Ticket	Package Tour
Unique Product Data	XYZ0000	XYZ1111	XYZ2222
	Title 1	Artist 1	3 Days
	Artist 1	Tokyo	Tokyo
	4/1/2002	12/1/2002	10/1/2002 - 12/31/2002
	Selection-1	11/1/2002	2 or More Pers.
		A-123	

Fig. 4B

Product Category Table

Product Category
CD
DVD
VHS
Movie Tickets
Concert Tickets
Amusement Park Tickets
Package Tour
Free Plan
Individual Travel
⋮
⋮
⋮
⋮
⋮

2021

Attribute Table

Product Category	Product Provider	Product Attribute
CD	SP1	CD Title
		Artist Name
Concert Tickets	SP2	Artist Name
		Music Genre
		City/Region Name
Package Tour	SP3	City/Region Name
		Period

2022

Fig. 5

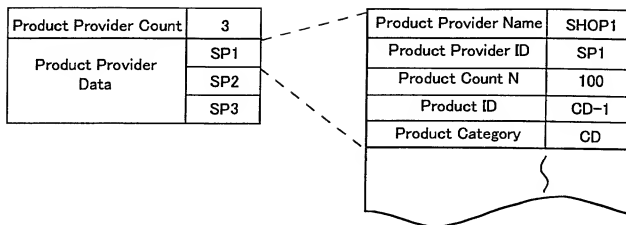


Fig. 6

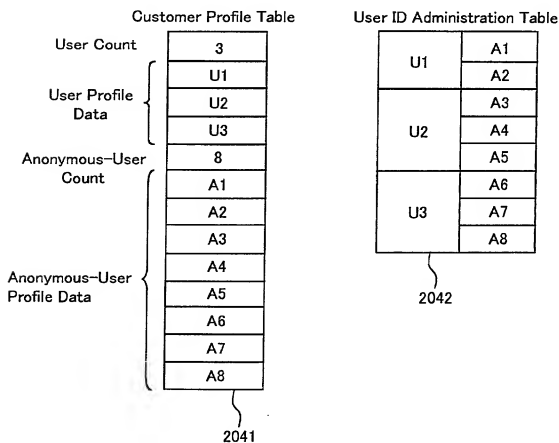


Fig. 7

Basic		Basic Info. Size	1024bytes
Basic	User ID	ABCD0123	
	Password	foobar	
	E-mail	Fuji1@domain	
	Full Name	Fuji Taro	
	Sex	Male	
Use Logs	Date of Birth	1960/10/10	
	Home Address	Hyoogo Pref.	
	Tel. No	078-000-000	
	Provider Area Count	3	
SP1-Use Area			
SP2-Use Area			
SP3-Use Area			

Fig. 8A

Basic		Product Provider ID	SP1
Basic	URL	Shop1	
	User ID	www.shop1	
	E-mail	ABCD0123	
	Full Name	Fuji1@domain	
	Purchase Count	Fuji Taro	1
Use Logs	Product Name	art10D	
	Product ID	CD-1	
	Purchase Date & Time	10/10/2001	

Fig. 8B

Basic		Product Provider ID	SP2
Basic	URL	Shop2	
	User ID	www.shop2	
	E-mail	BCDE1234	
	Full Name	Fuji2@domain	
	Purchase Count	Fuji Jiro	1
Use Logs	Product Name	Art 1 Concert Tickets	
	Product ID	Ticket-1	
	Purchase Date & Time	2001/10/12	

Fig. 8C

Basic	Basic Info. Size	1024bytes
	Pseudonym ID	BODE1234
	Password	N/A
	E-mail	N/A
	Full Name	N/A
	Sex	N/A
	Date of Birth	N/A
	Home Address	N/A
	Tel. No.	N/A
Suggested Product Info.	Provider Area Count	1
	SP2-Use Area	

Product Provider ID	SP2
Product Provider Name	Shop2
URL	www.shop2
Pseudonym ID	BCDE1234
Product Attribute Count	1
Product Attribute	Artist 1
Registration Date & Time	10/10/2001
Product Offer Count	1
Suggested Product	art1 Concert Tickets
Suggested Product ID	Ticket-1

Fig. 9A

Fig. 9B

Basic Info. Size		1024bytes
Pseudonym ID	CDEF2345	
Password	N/A	
E-mail	N/A	
Full Name	N/A	
Sex	N/A	
Date of Birth	N/A	
Home Address	N/A	
Tel. No.	N/A	
Provider Area Count	1	
SP2-Use Area		

Basic

Suggested Product Info.

Product Provider ID	SP3
Product Provider Name	Shop3
URL	www.shop3
Pseudonym ID	CDEF2345
Product Attribute Count	1
Product Attribute	Tokyo
Registration Date & Time	10/1/2001
Product Offer Count	1
Suggested Product	Tokyo Tour
Suggested Product ID	Tour-1

Fig. 10A

Fig. 10B

Shopping Cart	Suggested Product
art1 CD	Art 1 Concert Tickets

Fig. 11A

Shopping Cart	Suggested Product
Art1 CD Art 1 Concert Tickets	Tokyo Tour

Fig. 11B

Shopping Cart	Suggested Product
art1 CD Art 1 Concert Tickets Tokyo Tour	

Fig. 11C

Suggested Product: Concert	
<div>Offer Candidate User</div> <div>AFGA3341</div> <div>AEFA4154</div> <div>AVBS3567</div>	<div>Offer-Made User</div> <div>BCDE1234</div> <div>AGFE9357</div> <div> <div>Offer Date: 10/10/2001</div> <div>Offer Date: 9/1/2001</div> <div>Purchase Date: 10/12/2001</div> <div>Purchase Date: --/--/--</div> </div>

Fig. 12

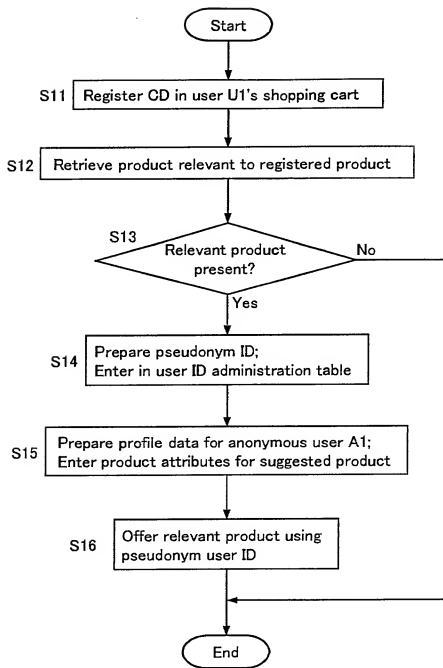


Fig. 13

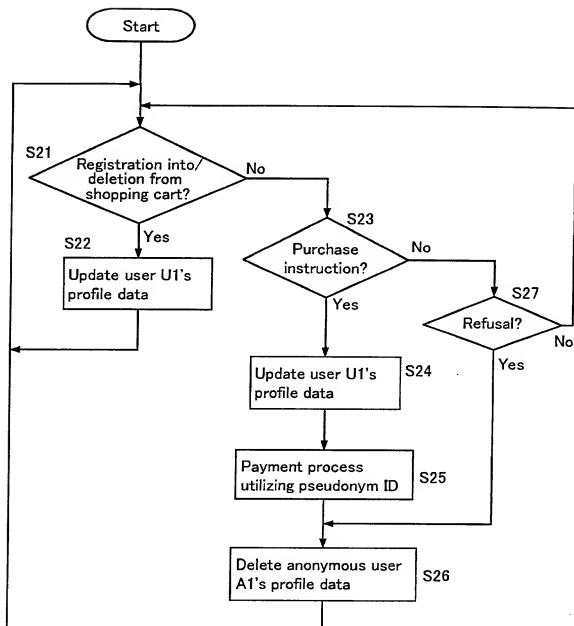


Fig. 14

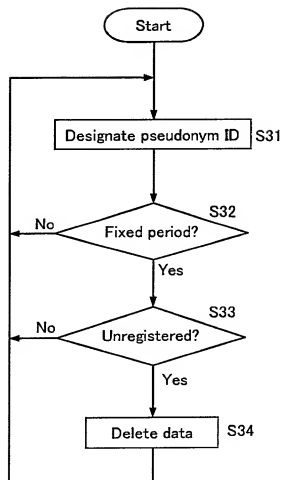


Fig. 15